



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/820,477A  
Source: IFWO  
Date Processed by STIC: 8/10/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

~~TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER~~  
~~VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND~~  
~~TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:~~

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,  
Room 1B03, Arlington, VA 22202



IFWO

## RAW SEQUENCE LISTING

DATE: 08/10/2004

PATENT APPLICATION: US/10/820,477A

TIME: 12:38:29

Input Set : A:\SubstituteSequenceListing.txt

Output Set: N:\CRF4\08102004\J820477A.raw

3 <110> APPLICANT: Siler-Khodr, Theresa M.  
 5 <120> TITLE OF INVENTION: Non-Mammalian GnRH Analogs and Uses Thereof in Regulation of Fertility  
 6 and Pregnancy  
 8 <130> FILE REFERENCE: P7345.2(CIP)6  
 10 <140> CURRENT APPLICATION NUMBER: US 10/820,477A  
 12 <141> CURRENT FILING DATE: 2004-04-08  
 14 <150> PRIOR APPLICATION NUMBER: US 10/639,405  
 16 <151> PRIOR FILING DATE: 2003-08-12  
 18 <160> NUMBER OF SEQ ID NOS: 16

## ERRORED SEQUENCES

69 <210> SEQ ID NO: 5  
 70 <211> LENGTH: 10  
 71 <212> TYPE: Prt  
 72 <213> ORGANISM: Homo sapiens (Mammalian GnRH)  
 74 <220> FEATURE:  
 75 <221> NAME/KEY: mat\_peptide  
 76 <222> LOCATION: unknown  
 77 <223> OTHER INFORMATION: MOD\_RES Glu at position 1 is pyroglutamic acid.  
 79 <400> SEQUENCE: 5  
 80 Glu His Trp Ser Tyr Gly Leu Arg Pro Gly  
 E--> 81     5       5 10       10 ← misaligned amino acid nos.  
 83 <210> SEQ ID NO: 6  
 84 <211> LENGTH: 10  
 85 <212> TYPE: Prt  
 86 <213> ORGANISM: Gallus gallus (Chicken II GnRH)  
 88 <220> FEATURE:  
 89 <221> NAME/KEY: mat\_peptide  
 90 <222> LOCATION: Within brain mRNA 121-150, within brain gene 2174-2203  
 91 <223> OTHER INFORMATION: MOD\_RES Glu at position 1 is pyroglutamic acid.  
 93 <400> SEQUENCE: 6  
 94 Glu His Trp Ser His Gly Trp Tyr Pro Gly  
 E--> 95     5       5       10       10 ← same error  
 206 <210> SEQ ID NO: 15  
 207 <211> LENGTH: 30  
 208 <212> TYPE: DNA  
 209 <213> ORGANISM: Clupea harengus (Herring GnRH)  
 211 <400> SEQUENCE: 15  
 E--> 212 cagcactggt cttatggctg gctgcttga

pp 1-3  
 Does Not Comply  
 Corrected Diskette Needed

30 ← insert cumulative  
 base total at right margin  
 of each line

all upper-case letters

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<210>2

<211>10

<212>Prt

<213>Unknown (Chicken II GnRH Analog)

PRT

This belongs on <2237> line, per 1.823 of  
Sequence Rules.

<220>

<221>mat peptide

<222>Within brain mRNA 121-150, within brain gene 2174-2203.

<223>MOD\_RES substitution of Gly residue at 10 by aza-Gly-NH<sub>2</sub>, ethylamide or  
other Gly amide. Xaa represents D-Arg, D-Leu, D-tBu-Ser, or D-Trp.

MOD\_RES Glu at position 1 is pyroglutamic acid.

(Explanation for <213> Unknown or  
<2137> Artificial Sequence

goes on  
<2237> line)

<400>2

Glu His Trp Ser His Xaa Trp Tyr Pro Gly

5

10

This response goes on <2237> line

<222> lists location(s) within the sequence  
of N/S or Xaa's, a modified nucleotide/amino acids.

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<210>10

<211>9

<212>Prt

<213>Buserelin

<220>

<221>mat\_peptide

<222>unknown

<223>MOD\_RES Glu at position 1 is pyroglutamic acid. XAA represents D-Ser (t-Bu). MOD\_RES PRO residue at 9 bound to ethylamide.

<400>10

GLU HIS TRP SER TYR XAA LEU ARG PRO

5

FYI: Per 1.823 sequence rules, the only valid <213> responses are Artificial Sequence, Unknown, or Genus/Species

→ use only initial-letter upper-case for amino acids  
(Glu, His, Trp, Ser, etc.)

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/820,477A

DATE: 08/10/2004  
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Input Set : A:\SubstituteSequenceListing.txt  
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VERIFICATION SUMMARY

DATE: 08/10/2004

PATENT APPLICATION: US/10/820,477A

TIME: 12:38:30

Input Set : A:\SubstituteSequenceListing.txt

Output Set: N:\CRF4\08102004\J820477A.raw

L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:81 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5  
L:95 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6  
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:212 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:30 SEQ:15  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0